

Docket No. 072575-0048

*HTW*  
**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : ALCORN, ROBERT L., et al.  
Appl. No. : 10/643,074  
Filed : August 19, 2003  
Title : INTERNET-BASED EDUCATION SUPPORT SYSTEM, METHOD AND MEDIUM PROVIDING SECURITY ATTRIBUTES IN MODULAR, EXTENSIBLE COMPONENTS

Grp./A.U. : 2109  
Examiner: : Songwei Qian

Customer No.: 41552  
Confirmation No.: 3054  
CERTIFICATE OF MAILING (37 CFR. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail as First Class Mail under 37 CFR 1.8(a) in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 26, 2007.

*Ken Rodriguez*

**TRANSMITTAL**

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application.

Also attached:

9 PTO Forms 1449 and  
NPL Documents

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 502624, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,  
McDERMOTT WILL & EMERY LLP

*John A. Hankins*  
John A. Hankins  
Registration No. 32,029

**Please recognize our Customer No. 41552  
as our correspondence address.**

4370 La Jolla Village Drive, Suite 700  
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**Date: July 26, 2007**  
SDO 71574-1.072575.0089



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\_\_\_\_\_  
Ken Rodriguez

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action but before the mailing date of a Final Office Action or Notice of Allowance.

The undersigned hereby requests consideration and entry of this Information Disclosure Statement and accompanying references under 37 CFR 1.97(d).

Please charge the processing fee under 1.17(p) of \$180.00 to Deposit Account 502624.

In addition to the references submitted, please note that the above-identified patent application is related to a patent that is under reexamination. See Reexamination Control Nos.

08/08/2007 EHAILE1 00000001 502624 10643874  
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- **Docket No.:** 072575-0048

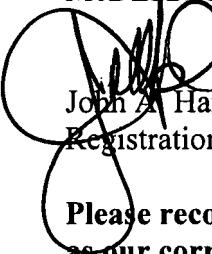
90/008,330 and 90/008,330, Patent No. 6,988,138 currently being reviewed by the Central Reexamination Unit, Office of Patent Legal Administration.

Applicants would like to make the United States Patent and Trademark Office aware of a web site ([http://en.wikipedia.org/wiki/History\\_of\\_virtual\\_learning\\_environments](http://en.wikipedia.org/wiki/History_of_virtual_learning_environments)) to which anyone is permitted to contribute content. The web site purports to provide a history of virtual learning environments. Because of the very large number of references permitted by hyperlinking of content and the dynamic nature of this site, Applicants have not reviewed all documents that are directly or indirectly referenced on this site. However, Applicants have made a good faith effort to review some of the documents referenced on the site to identify any relevant and material documents for submission. However, none of the documents on this website that have been reviewed by Applicants appears relevant or material to a determination of patentability. Applicants make no representations as to the accuracy of the information on the website or the provenance of the documents on the website.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 502624 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

  
John A. Hankins  
Registration No. 32,029

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SDO 71553-1.072575.0048



SHEET 1 OF 9

<b>INFORMATION ON DISCLOSURE</b> <b>CITATION IN AN</b> <b>APPLICATION</b>  <b>(PTO-1449)</b>				ATTY. DOCKET NO. <b>072575-0048</b>	SERIAL NO. <b>10/643,074</b>	
				<b>APPLICANT</b> <b>ALCORN, ROBERT L., et al.</b>		
				FILING DATE <b>August 19, 2003</b>	GROUP <b>2109</b>	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	US	5,002,491	03/26/1991	Abrahamson et al.		
	US	5,263,869 A	11/1993	Ziv-El		
	US	5,437,555	8/1995	Ziv-El		
	US	5,537,141	7/1996	Harper et al.		
	US	5,918,010	6/1999	Appelman et al.		
	US	5,973,683	10/1999	Cragun et al.		
	US	6,023,765	02/08/00	Kuhn		
	US	6,088,679	07/11/00	Barkley		
	US	6,202,066 B1	03/13/01	Barkley et al.		
	US	6,301,462 B1	10/2001	Alcorn et al.		
	US	6,334,141 B1	12/2001	Varma et al.		
	US	6,347,333 B2	02/2002	Alcorn et al.		
	US	6,357,010 B1	03/12/02	Viets et al.		
	US	6,381,579 B1	04/30/02	Gervais et al.		
	US	6,430,549 B1	08/06/2002	Gershfield et al.		
<b>FOREIGN PATENT DOCUMENTS</b>						
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<b>OTHER ART</b> (Including Author, Title, Date, Pertinent Pages, Etc.)						
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		S.D. BENFORD, E.K. BURKE, E. FOXLEY, N. GUTTERIDGE, A. MOHD ZIN, The Design Document for Ceilidh Ver. 2, Learning Technology Research Computer Science Department, Univ. of Nottingham, UK, Revision 3.2, 30 pages.				
		S.D. BENFORD, E.K.BURKE, E. FOXLEY, Developer's Guide to Ceilidh, Learning Technology Research Computer Science Department, Univ. of Nottingham, UK, Revision for Ceilidh 3.4, 43 pages.				
		S.D. BENFORD, A.N. BULLOCK, E.K. BURKE, E. FOXLEY, C.A. GIBBON, N. GUTTERIDGE, C. HIGGINS, A. MOHD ZIN, Installer's Guide to Ceilidh (2.6) Learning Technology Research, Computer Science Department, Univ. of Nottingham, UK, Revision for Ceilidh 2.6, 18 pages.				
		S. BENFORD, E. BURKE, E. FOXLEY, N. GUTTERIDGE, A.M. ZIN, The Ceilidh System, Learning Technology Research, Computer Science Department, Nottingham Univ., UK, Revision 3.2, 7 pages.				
EXAMINER			DATE CONSIDERED			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.  
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	US	6,453,353 B1	09/17/2002	Win et al.		
	US	6,463,460 B1	10/2002	Simonoff		
	US	6,505,031 B1	01/2003	Slider et al.		
	US	6,546,230 B1	04/2003	Allison		
	US	6,988,138 B1	01/17/2006	Alcorn et al.		
	US	6,338,086 B1	01/2002	Curtis et al.		
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		S.D. BENFORD, E.K. BURKE, E. FOXLEY, Student's Guide to Ceilidh, Ver. 2.5, Learning Technology Research, Computer Science Department, Univ. of Nottingham, UK, Revision 3.2, 17 pages.				
		S.D. BENFORD, E.K. BURKE, E. FOXLEY, Teacher's Guide to Ceilidh, Ver. 2.7, Learning Technology Research, Computer Science Department, Univ. of Nottingham, UK, Revision 2.7, 16 pages.				
		E. FOXLEY, User Guide to Interactive WWW Ceilidh, provisional version 23, Sept. 1996, <a href="http://www.cs.nott.ac.uk">www.cs.nott.ac.uk</a> , 4 pages.				
		1997 The Daedalus Group, Inc., Austin, Texas, Integrated Writing Environment for Windows Computers, Version 5.3x, Instructor's Guide, 86 pages.				
		1997 The Daedalus Group, Inc., Austin, Texas, Integrated Writing Environment for Windows Computers, Version 5.3x, User's Guide, 81 pages.				
		1997 The Daedalus Group, Inc., Austin, Texas, Integrated Writing Environment for Windows Computers, Version 5.3x, Administrator's Guide with Installation Guide, 73 pages.				
		1997 by SoftArc Inc., Using the FirstClass Intranet Client, 303 pages				
		1997 by SoftArc Inc., User Reference Card, 6 pages				
		S. HAZARI, Ed.D, Robert H. Smith School of Business, Univ. of Md, College Park, Evaluation and Selection of Web Course Management Tools, 15 pages.				
		Recommendations for a Course Management/Colloboration Tool, April 30, 1998, <a href="http://www.pitt.edu/~washburn/ccs.htm">http://www.pitt.edu/~washburn/ccs.htm</a> , 34 pages.				
		Renaissance – Project AC100, Integration of High Performance Services for Interactive, Vocational Training for European Regeneration, Work Package 2, Version 2.1, February 1997, 62 pages.				
		Renaissance – Project AC100, Integration of High Performance Services for Interactive, Vocational Training for European Regeneration, Work Package 2, Infrastructure Requirements Statement, Version 2.1, February 1997, 62 pages.				
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		T. BARKER, Community Based Virtual Learning: A WebCT Physics course, Computer Based Learning Unit University of Leeds, UK , 10 pages.					
		Richard Mende, Learner Reactions to College English on WebCT, December 20, 1999, 36 pages.					
		D.A. Morss, Ph.D. Atmospheric Sciences Depart. Creighton Univ., P.A. FLEMING Ph.D., Philosophy Department, Creighton Univ., WebCT in the Classroom: A Student View, 13 pages.					
		B. MANN, Ph.D., Assoc. Prof. of Edu. Computing, Memorial Univ. of Newfoundland, October 24, 1998, Should we or Shouldn't We: WEBCT Arrives at Edith Cowan Univ., 5 pages.					
		S. SIEKMANN, Idaho State Univ., To Integrate Your Language Web Tools – CALL WebCT, 10 pages.					
		A. Levine, MCLI, Fall 1997, Vol. 6, Issue 1, The Labyrinth, Sharing Information on Learning Technologies, 5 pages.					
		M.J. VAN GORP, P. BOYSEN, Durham Computation Center, Iowa State Univ., Intl. Jl. Of Edu. Telecommunications (1997) 3(2/3), 279-291, ClassNet: Managing the Virtual Classroom, 13 pages.					
		P.R. McKey, The Development of the On-line Educational Institute, Southern Cross Univ., Chapters 1-6.					
		Educom/NLII Instructional Management Systems, Specifications Document, Version 0.5, April 29, 1998, 212 pages.					
		Janison Solutions, Web Training Toolbox, Getting Started, Australia, June 1999, 102 pages.					
		Janison Solutions, Web Training Toolbox, Management Guide, Australia, May 1999, 39 pages.					
		Janison Solutions, Web Training Toolbox, Reviewer's Guide, Australia, September 1999, 102 pages.					
		G. PAQUETTE, LICEF Laboratory, Canada, Modeling the Virtual Campus, 21 pages.					
		An Intro. To Role-Based Access Control, 5 pages.					
		J.F. BARKLEY, A.V. CINCOTTA, D.F. FERRAIOLI, S. GAVRILLA, D.R. KUHN, Natl Institute of Standards and Technology, Maryland, April 8, 1997, 11 pages.					
		D.F. FERRAIOLI, J.A. CUGINI, D.R. KUHN, Natl Institute of Standards and Tech., Dept. of Commerce, Maryland, Role-Based Access Control (RBAC): Features and Motivations, 8 pages.					
		D.F. FERRAIOLI, D.R. KUHN, Natl Institute of Standards and Tech., Dept. of Commerce, Maryland, Role-Based Access Control, Proceedings of 15th Natl Computer Security Conference 1992, 11 pages.					
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		S.I. GAVRILA, VDG Inc., Formal Spec. for Role Based Access Control User/Role and Role/Role Relationship Management.				
		D.R. KUHN, Natl Institute of Standards and Technology, Maryland, Mutual Exclusion of Roles as a Means of Implementing Separation of Duty in Role-Based Access Control Systems.				
		R.S. SANDHU, E.J. COYNE, H.L. FEINSTEIN, C.E. YOUNAN, Role-Based Access Control Models, IEEE Computer, Vol. 29, No. 2, Feb. 1996, pages 38-47.				
		F.T. HOFSTELLER, Univ. of Delaware, AACRAO Policy Summit, Virtual Learning Environments.				
		F.T. HOFSTELLER, Univ of Delaware, May 19, 1999, Three Waves of the Serf Web-based Teaching and Learning Environ.				
		F.T. HOFSTELLER, Univ of Delaware, Jan. 22, 1998, Serf® User Guide, Version 1.0.				
		TopClass Version 2.0.0, Administrator's Guide				
		TopClass Version 2.0.0, Instructor's Guide				
		vloview.txt, Product Overview, 2 pages.				
		Creating and Customizing a Course, Student's View (6 pages, 13 slides)				
		The Instructor's Guide to The Interactive Learning Network Ver 1.5				
		CourseInfo's Interactive Learning Network v1.5, User Manual				
		CourseInfo v.2.0 beta, Bb Instructor Manual, Instructure Guide, 121 pages.				
		TopClass, Version 1.2.2b, Administrator's Guide				
		1: TopClass – An Overview, 1997 WBT Systems.				
		Chapter 3: Getting Started, "TopClass Administrator's Guide				
		Chapter 7: Database Maintenance, TopClass Administrator's Guide				
		7: Database Maintenance, 1997 WBT Systems, pages 105-134				
		Portal, The Guide to Computing Literature, Information Sharing (solution session): collaborating across the network				
		Enhancing teaching using the Internet, Report of the Working Group on the World Wide Web as an Interactive Teaching Resource.				
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	US	4,724,521	02/09/1988	James M. Carron et al.	
	US	5,778,367	07/07/1998	Ralph E. Wesinger, Jr. et al.	
	US	5,931,908	08/03/1999	George Gerba et al.	
	US	6,047,313	04/04/2000	Sunao Hashimoto et al.	
	US	6,049,826	04/11/2000	Nurettin B. Beser	
	US	6,055,512	04/25/2000	Robert John Dean et al.	
	US	5,946,699	08/31/1999	Nobuyuki Sawashima et al.	
	US	6,026,430	2/15/2000	Ronald A. Butman et al.	
	US	6,058,421	05/02/2000	John G. Fijolek et al.	
	US	5,903,727	05/11/1999	Jakob Nielsen	
	US	6,006,251	12/21/1999	Junichi Toyouchi et al.	
	US	6,012,083	01/04/2000	Stephen R. Savitzky et al.	
	US	6,065,038	05/16/2000	Chia-Hsiou Chen	
	US	5,694,601	12/02/1997	John W. White	

## FOREIGN PATENT DOCUMENTS

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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		Sound Virtual Inc., Some CAN-8 VirtuaLab Documentation, April 1998, Toronto, Ontario, Canada, 75 pages.	

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	US	5,793,967	08/11/1998	Walter C. Simciak et al.		
	US	5,937,163	08/10/1999	James Lee et al.		
	US	5,778,368	07/07/1998	Keith Hogan et al.		
	US	5,835,911	11/10/1998	Toru Nakagawa et al.		
	US	4,727,589	02/23/1988	Kenji Hirose et al.		
	US	5,664,126	09/02/1997	Hideki Hirakawa et al.		
	US	5,956,485	09/21/1999	Stephen G. Periman		
	US	6,035,330	03/07/2000	Paul Astiz et al.		
	US	5,983,199	11/09/1999	Toshiyuki Kaneko		
	US	6,023,724	02/08/2000	Rajiv Bhatia		
	US	5,987,510	11/16/1999	Toru Imai et al.		
	US	6,006,018	12/21/19999	Rodney Carlton Burnett et al.		
	US	6,012,098	01/04/2000	Elias N. Bayeh et al.		
	US	6,070,185	05/30/2000	Vinod Anupam et al.		
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				APPLICANT <b>ALCORN, Robert L., et al.</b>		
				FILING DATE <b>August 19, 2003</b>	GROUP <b>2109</b>	
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>2</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US	5,764,900	06/09/1998	James E. G. Morris et al.		
	US	5,890,162	03/30/1999	Jeffrey L. Huckins		
	US	4,236,209	11/25/1980	Ralph M. Lombardo, Jr. et al.		
	US	5,734,828	03/31/1998	Ajit Pendse et al.		
	US	5,918,012	06/29/1999	Paul Astiz et al.		
	US	5,848,239	12/08/1998	Ichiro Ando		
	US	5,896,533	04/20/1999	Daniel Ramos et al.		
	US	6,038,590	03/14/2000	Sheri L. Gish		
	US	4,935,870	06/19/1990	Robert J. Burk, Jr. et al.		
	US	5,815,659	09/29/1998	Minoru Umetsu et al.		
	US	5,949,492	09/07/1999	Roy J. Makovitz		
	US	6,052,730	04/18/2000	Ramon M. Felciano et al.		
	US	5,859,971	01/12/1999	Reed R. Bitnger et al.		
	US	6,058,394	05/02/2000	Linnette M. Bakow		
<b>FOREIGN PATENT DOCUMENTS</b>						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4 -Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes      No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
EXAMINER			DATE CONSIDERED			

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	US	5,815,664	09/29/1998	Kazuo Asano		
	US	5,878,233	03/02/1999	Jeffrey R. Schloss		
	US	5,764,901	06/09/1998	Rune A. Skarbo et al.		
	US	5,812,776	09/22/1998	David K. Gifford		
	US	5,905,866	05/18/1999	Kaoru Nakabayashi et al.		
	US	6,0146,695	01/11/2000	Hiroyumi Yamashita et al.		
	US	5,515,296	05/07/1996	Rohit Agarwal		
	US	5,768,510	01/16/1998	Sheri L. Gish		
	US	5,999,975	12/07/1999	Hiroyuki Kittaka et al.		
	US	5,490,247	02/06/1996	Peter Tung et al.		
	US	5,799,150	08/25/1998	James Hamilton et al.		
	US	5,848,246	12/08/1998	Sheri L. Gish		
	US	5,434,913	07/18/1995	Peter Tung et al.		
	US	5,964,832	10/12/1999	Gregory Hurst Kisor		
FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code <sub>3</sub> -Number 4-Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes      No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
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		US 6,016,500	01/18/2000	James H. Waldo et al.		
		US 5,787,247	07/28/1998	Scott Norin et al.		
		US 6,026,402	02/15/2000	Joseph K. Vossen et al.		
		US				
		US				
		US				
		US				
		US				
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